

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

1. (Currently Amended) An image processing apparatus comprising:
a reception unit adapted to receive that receives at least three encoded image data;
a decoding unit adapted to decode that decodes one of the encoded image data to generate a main frame;
a sub frame generating unit adapted to extract that extracts low frequency component from each one of the other encoded image data without fully decoding the other encoded image data, and generate generates sub frames using from the extracted low frequency components extracted from the other encoded image data; and
an image signal generation generating unit adapted to combine that combines the main frame and the generated sub frames, and generate generates an image signal including the main frame combined with the generated sub frames.
2. (Previously Presented) An apparatus according to claim 1, wherein the reception unit receives the at least three encoded image data through a serial bus.
3. (Previously Presented) An apparatus according to claim 2, wherein the serial bus is based on the IEEE 1394-1995 standard.
4. (Previously Presented) An apparatus according to claim 1, wherein the reception unit is a digital interface based on the IEEE 1394-1995 standard.
5. (Previously Presented) An apparatus according to claim 1, further comprising:
a switch unit adapted to switch the encoded image data corresponding to the main frame and the encoded image data corresponding to one of the sub frames, in response to an operation of a predetermined operation key.

6. (Previously Presented) An apparatus according to claim 1, further comprising:
a recording unit adapted to record the encoded image data corresponding to the main frame on a storage medium, in response to an operation of a predetermined operation key.

7. (Previously Presented) An apparatus according to claim 1, wherein the at least three encoded image data are based on the SD format of the DV standard.

8. (Currently Amended) An image processing A method for generating an image signal, comprising:
receiving at least three encoded image data;
decoding one of the encoded image data to generate a main frame;
extracting low frequency component from each one of the other encoded image data ~~without fully decoding the other encoded image data~~;
generating sub frames ~~using from the extracted~~ low frequency components ~~extracted~~ from the other encoded image data;
combining the main frame and the ~~generated~~ sub frames; and
generating an image signal including the main frame combined with the ~~generated~~ sub frames.

9. (Previously Presented) A method according to claim 8, wherein the at least three encoded image data are received through a serial bus.

10. (Previously Presented) A method according to claim 9, wherein the serial bus is based on the IEEE 1394-1995 standard.

11. (Previously Presented) A method according to claim 8, wherein the at least three encoded image data is received through a digital interface based on the IEEE 1394-1995 standard.

12. (Previously Presented) A method according to claim 8, further comprising:

switching the encoded image data corresponding to the main frame and the encoded image data corresponding to one of the sub frames, in response to an operation of a predetermined operation key.

13. (Previously Presented) A method according to claim 8, further comprising:
recording the encoded image data corresponding to the main frame on a storage medium, in response to an operation of a predetermined operation key.
14. (Previously Presented) A method according to claim 8, wherein the at least three encoded image data are based on the SD format of the DV standard.